

# EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	70	("452131" "3783873" "4049002" "4306561" "4688570" "4726356" "4925443" "4955896" "4973300" "5098369" "5119804" "5131905" "5300087" "5336252" "5374277" "5383840" "5417709" "5452733" "3858926" "4366819" "4368736" "4646747" "4718418" "4808163" "4854318" "4865019" "4989587" "5011469" "5053041" "5167223" "5287861" "5365921").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 17:43
S2	71	("5372124" "5425705" "5437651" "5807243" "5108412" "5749892" "4718418" "5607421" "4991578" "5009660" "4962758" "5545123" "5836311" "6015378" "4904012" "3786815" "4711247" "3951138" "6110187" "5894843" "6063021" "4767142" "5207467" "5727569" "5927284" "6019722" "5782746" "4096864" "5556147" "5667624" "4892343" "5290082" "5702420" "5133737" "3916909").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 14:19
S5	33	US-4627421-\$.DID. OR US-4637377-\$.DID. OR US-5171254-\$.DID. OR US-4047532-\$.DID. OR US-5613937-\$.DID. OR US-5509890-\$.DID. OR US-5472438-\$.DID. OR US-4736749-\$.DID. OR US-3720433-\$.DID. OR US-3999795-\$.DID. OR US-4314568-\$.DID. OR US-4463980-\$.DID. OR US-5324087-\$.DID. OR US-5875782-\$.DID. OR US-5906607-\$.DID. OR US-6032672-\$.DID. OR US-6071235-\$.DID. OR US-6139492-\$.DID. OR US-3577982-\$.DID. OR US-4447227-\$.DID. OR US-5799661-\$.DID. OR US-5827216-\$.DID. OR US-3983863-\$.DID. OR US-4973300-\$.DID. OR US-4350160-\$.DID. OR US-5865730-\$.DID. OR US-5876332-\$.DID. OR US-5891017-\$.DID. OR US-5984864-\$.DID. OR US-6007486-\$.DID. OR US-6033362-\$.DID. OR US-6036641-\$.DID. OR US-6113534-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/18 18:43
S6	36	US-5865730-\$.DID. OR US-5885271-\$.DID. OR US-5891017-\$.DID. OR US-5957835-\$.DID. OR US-5967972-\$.DID. OR US-6030340-\$.DID. OR US-5976080-\$.DID. OR US-6033362-\$.DID. OR US-6036641-\$.DID. OR US-6102854-\$.DID. OR US-2590527-\$.DID. OR US-4049000-\$.DID. OR US-4428368-\$.DID. OR US-4852552-\$.DID. OR US-5503617-\$.DID. OR US-5730757-\$.DID. OR US-5772583-\$.DID. OR US-5782746-\$.DID. OR US-5888247-\$.DID. OR US-5947896-\$.DID. OR US-5976171-\$.DID. OR US-6017304-\$.DID. OR US-6050266-\$.DID. OR US-6152874-\$.DID. OR US-5238334-\$.DID. OR US-5927284-\$.DID. OR US-5836311-\$.DID. OR US-6258023-\$.DID. OR US-6251065-\$.DID. OR US-6210323-\$.DID. OR US-6071295-\$.DID. OR US-6213941-\$.DID. OR US-6506149-\$.DID. OR US-6589166-\$.DID. OR US-6602183-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/18 14:22
S7	10	US-6558314-\$.DID. OR US-6602189-\$.DID. OR US-6585643-\$.DID. OR US-6551242-\$.DID. OR US-6511416-\$.DID. OR US-6503245-\$.DID. OR US-6488618-\$.DID. OR US-6394951-\$.DID. OR US-6371910-\$.DID. OR US-6607479-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/18 14:40
S16	1	2003/0083554	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:25
S17	2	"20030083554"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:25
S18	1	2002/0165434	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:25
S19	2	"20020165434"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:26
S20	1	2002/0137989	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:26
S21	2	"20020137989"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:26

## EAST Search History

S22	2	2002/0099268	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:26
S23	2	"20020099268"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:26
S24	2	"6159201".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:40
S25	0	2002/161277	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:40
S26	2	"2002161277"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 14:40
S27	2	"10643299"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 18:00
S28	3	"10/643299"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 18:00
S29	66	Haarstad.Inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 18:09
S30	49	(US-5868770-\$ or US-6036710-\$ or US-6338712-\$ or US-6428555-\$ or US-6520973-\$ or US-6613058-\$ or US-4854318-\$ or US-4883453-\$ or US-6036641-\$ or US-6231506-\$ or US-5501698-\$ or US-5618306-\$ or US-5697969-\$ or US-5749892-\$ or US-5797946-\$ or US-5807243-\$ or US-5810877-\$ or US-5833698-\$ or US-5868764-\$ or US-5891017-\$ or US-5894843-\$ or US-5925054-\$ or US-5976159-\$ or US-6007576-\$ or US-6017304-\$ or US-6024748-\$).did. or (US-6050266-\$ or US-6095997-\$ or US-6214022-\$ or US-6254615-\$ or US-6287317-\$ or US-6290644-\$ or US-6371910-\$ or US-6395015-\$ or US-6406424-\$ or US-6414018-\$ or US-6447443-\$ or US-6461365-\$ or US-6511416-\$ or US-6511491-\$ or US-6602263-\$ or US-6652454-\$ or US-6656113-\$ or US-6866674-\$ or US-6960219-\$ or US-6036699-\$ or US-6110188-\$ or US-6176864-\$ or US-4840940-\$).did.	USPAT	ADJ	ON	2006/08/18 18:07
S31	11807	(128/897 128/898 128/899 600/16 600/36 600/37 600/201 600/213 600/235 606/7 606/15 606/139 606/191 606/232 606/233 606/234).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 16:12
S32	2389	S31 (suction or vacuum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/18 18:27

## EAST Search History

S33	222	("0452131"   "0810675"   "1706500"   "2296793"   "2590527"   "2693795"   "2863444"   "3392722"   "3584822"   "3683926"   "3720433"   "3783873"   "3858926"   "3882855"   "3983863"   "4047532"   "4048987"   "4049000"   "4049002"   "4052980"   "4217890"   "4226228"   "4230119"   "4306561"   "4366819"   "4368736"   "4421107"   "4428368"   "4434791"   "4457300"   "4461284"   "4492229"   "4617916"   "4627421"   "4637377"   "4646747"   "4688570"   "4702230"   "4718418"   "4726356"   "4726358"   "4736749"   "4747395"   "4754746"   "4803984"   "4808163"   "4827926"   "4829985"   "4852552"   "4854318"   "4858552"   "4863133"   "4865019"   "4884559"   "4925443"   "4949707"   "4949927"   "4955896"   "4957477"   "4963857"   "4971037"   "4973300"   "4989587"   "4991578"   "4993862"   "5009660"   "5011469"   "5019086"   "5025779"   "5036868"   "5037428"   "5052373"   "5053041"   "5080088"   "5098369"   "5119804"   "5125395"   "5131905"   "5133724"   "5139517"   "5150706"   "5152777"   "5159921"   "5167223"   "5171254"   "5196003"   "5231974"   "5256132"   "5287861"   "5293863"   "5300087"   "5318013"   "5336252"   "5348259"   "5363882"   "5382756"   "5383840"   "5417709"   "5425705"   "5437651"   "5452733"   "5453078"   "5467763"   "5480425"   "5498256"   "5503617"   "5509890"   "5512037"   "5514075"   "5514076"   "5520610"   "5522819"   "5529571"   "5536251"   "5547458"   "5569274"   "5571074"   "5571215"   "5573496"   "5582580"   "5607421"   "5607446"   "5613937"   "5632746"   "5651378").PN. OR ("5662300"   "5667480"   "5713951"   "5727569"   "5728151"   "5730757"   "5735290"   "5749892"   "5755660"   "5766151"   "5772583"   "5782746"   "5795291"   "5797960"   "5799661"   "5807243"   "5813410"   "5836311"   "5846187"   "5846193"   "5846194"   "5865730"   "5868770"   "5875782"   "5876332"   "5879291"   "5882299"   "5885271"   "5888247"   "5891017"   "5894843"   "5899425"   "5906607"   "5908382"   "5913876"   "5927284"   "5944658"   "5944736"   "5947125"   "5947896"   "5957835"   "5961481"   "5967972"   "5967973"   "5976080"   "5976171"   "5984864"   "5984865"   "5984867"   "6007486"   "6007523"   "6010531"   "6013027"   "6015378"   "6015427"   "6017304"   "6019722"   "6027476"   "6029671"   "6030340"   "6032672"   "6033362"   "6036641"   "6050266"   "6063021"   "6071295"   "6099468"   "6102853"   "6102854"   "6139492"   "6149583"   "6152874"   "6167889"   "6183486"   "6190311"   "6193652"   "6193732"   "6200263"   "6210323"   "6213940"   "6213941"   "6231506"   "D293470"   "D421803"   "RE34150").PN. OR ("6511416").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/18 18:11
S34	11807	(128/897 128/898 128/899 600/16 600/36 600/37 600/201 600/213 600/235 606/7 606/15 606/139 606/191 606/232 606/233 606/234).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 18:28
S35	1135	S34 (suction or vacuum) heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/18 18:28
S36	34	("452131"   "3783873"   "4049002"   "4306561"   "4688570"   "4726356"   "4925443"   "4955896"   "4973300"   "5098369"   "5119804"   "5131905"   "5300087"   "5336252"   "5374277"   "5383840"   "5417709"   "5452733"   "3858926"   "4366819"   "4368736"   "4646747"   "4718418"   "4808163"   "4854318"   "4865019"   "4989587"   "5011469"   "5053041"   "5167223"   "5287861"   "5365921").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/18 18:29
S37	35	("5372124"   "5425705"   "5437651"   "5807243"   "5108412"   "5749892"   "4718418"   "5607421"   "4991578"   "5009660"   "4962758"   "5545123"   "5836311"   "6015378"   "4904012"   "3786815"   "4711247"   "3951138"   "6110187"   "5894843"   "6063021"   "4767142"   "5207467"   "5727569"   "5927284"   "6019722"   "5782746"   "4096864"   "5556147"   "5667624"   "4892343"   "5290082"   "5702420"   "5133737"   "3916909").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/18 18:36
S38	131	("2027543"   "2305289"   "2528278"   "2966694"   "3520300"   "4193156"   "4533352"   "5014389"   "5034006").PN. OR ("5437651").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/18 18:37

## EAST Search History

S39	146	("0452131"   "20010041827"   "20020099268"   "20020137989"   "20020165434"   "20030083554"   "20030088150"   "20030125604"   "2590527"   "3577982"   "3720433"   "3783873"   "3786815"   "3858926"   "3916909"   "3951138"   "3983863"   "3999795"   "4047532"   "4049000"   "4049002"   "4096864"   "4306561"   "4314568"   "4350160"   "4366819"   "4368736"   "4428368"   "4447227"   "4463980"   "4627421"   "4637377"   "4646747"   "4688570"   "4711247"   "4718418"   "4726356"   "4736749"   "4767142"   "4808163"   "4852552"   "4854318"   "4865019"   "4892343"   "4904012"   "4925443"   "4955896"   "4962758"   "4973300"   "4989587"   "4991578"   "5009660"   "5011469"   "5053041"   "5098369"   "5108412"   "5119804"   "5131905"   "5133737"   "5167223"   "5171254"   "5207467"   "5287861"   "5290082"   "5300087"   "5324087"   "5336252"   "5365921"   "5372124"   "5374277"   "5383840"   "5417709"   "5425705"   "5437651"   "5452733"   "5472438"   "5503617"   "5509890"   "5545123"   "5556147"   "5607421"   "5613937"   "5667624"   "5702420"   "5727569"   "5730757"   "5749892"   "5772583"   "5782746"   "5799661"   "5807243"   "5827216"   "5836311"   "5865730"   "5875782"   "5876332"   "5885271"   "5888247"   "5891017"   "5894843"   "5906607"   "5927284"   "5947896"   "5957835"   "5967972"   "5976080"   "5976171"   "5984864"   "6007486"   "6015378"   "6017304"   "6019722"   "6030340"   "6032672"   "6033362"   "6036641"   "6050266"   "6063021"   "6071235"   "6071295"   "6102854"   "6110187").PN. OR ("6113534"   "6139492"   "6152874"   "6210323"   "6213941"   "6238334"   "6251065"   "6258023"   "6371910"   "6394951"   "6478728"   "6488618"   "6503245"   "6506149"   "6511416"   "6551242"   "6558314"   "6585643"   "6589166"   "6602183"   "6602189"   "6607479").PN. OR ("6676597").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/18 18:38
S40	5	2001/0041827	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 18:45
S41	3	"20010041827"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 18:45
S42	3	(2003/0125604 or "20030125604")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 18:45
S43	1	2003/0125604	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 18:45
S44	2	"20030125604"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 18:46
S45	1	2003/0088150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 18:46
S46	2	"20030088150"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 18:46
S47	70	("452131" "3783873" "4049002" "4306561" "4688570" "4726356" "4925443" "4955896" "4973300" "5098369" "5119804" "5131905" "5300087" "5336252" "5374277" "5383840" "5417709" "5452733" "3858926" "4366819" "4368736" "4646747" "4718418" "4808163" "4854318" "4865019" "4989587" "5011469" "5053041" "5167223" "5287861" "5365921").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:22
S48	71	("5372124" "5425705" "5437651" "5807243" "5108412" "5749892" "4718418" "5607421" "4991578" "5009660" "4962758" "5545123" "5836311" "6015378" "4904012" "3786815" "4711247" "3951138" "6110187" "5894843" "6063021" "4767142" "5207467" "5727569" "5927284" "6019722" "5782746" "4096864" "5556147" "5667624" "4892343" "5290082" "5702420" "5133737" "3916909").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:22

## EAST Search History

S49	33	US-4627421-\$.DID. OR US-4637377-\$.DID. OR US-5171254-\$.DID. OR US-4047532-\$.DID. OR US-5613937-\$.DID. OR US-5509890-\$.DID. OR US-5472438-\$.DID. OR US-4736749-\$.DID. OR US-3720433-\$.DID. OR US-3999795-\$.DID. OR US-4314568-\$.DID. OR US-4463980-\$.DID. OR US-5324087-\$.DID. OR US-5875782-\$.DID. OR US-5906607-\$.DID. OR US-6032672-\$.DID. OR US-6071235-\$.DID. OR US-6139492-\$.DID. OR US-3577982-\$.DID. OR US-4447227-\$.DID. OR US-5799661-\$.DID. OR US-5827216-\$.DID. OR US-3983863-\$.DID. OR US-4973300-\$.DID. OR US-4350160-\$.DID. OR US-5865730-\$.DID. OR US-5876332-\$.DID. OR US-5891017-\$.DID. OR US-5984864-\$.DID. OR US-6007486-\$.DID. OR US-6033362-\$.DID. OR US-6036641-\$.DID. OR US-6113534-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 13:22
S50	36	US-5865730-\$.DID. OR US-5885271-\$.DID. OR US-5891017-\$.DID. OR US-5957835-\$.DID. OR US-5967972-\$.DID. OR US-6030340-\$.DID. OR US-5976080-\$.DID. OR US-6033362-\$.DID. OR US-6036641-\$.DID. OR US-6102854-\$.DID. OR US-2590527-\$.DID. OR US-4049000-\$.DID. OR US-4428368-\$.DID. OR US-4852552-\$.DID. OR US-5503617-\$.DID. OR US-5730757-\$.DID. OR US-5772583-\$.DID. OR US-5782746-\$.DID. OR US-5888247-\$.DID. OR US-5947896-\$.DID. OR US-5976171-\$.DID. OR US-6017304-\$.DID. OR US-6050266-\$.DID. OR US-6152874-\$.DID. OR US-5238334-\$.DID. OR US-5927284-\$.DID. OR US-5836311-\$.DID. OR US-6258023-\$.DID. OR US-6251065-\$.DID. OR US-6210323-\$.DID. OR US-6071295-\$.DID. OR US-6213941-\$.DID. OR US-6506149-\$.DID. OR US-6589166-\$.DID. OR US-6602183-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 13:22
S51	10	US-6558314-\$.DID. OR US-6602189-\$.DID. OR US-6585643-\$.DID. OR US-6551242-\$.DID. OR US-6511416-\$.DID. OR US-6503245-\$.DID. OR US-6488618-\$.DID. OR US-6394951-\$.DID. OR US-6371910-\$.DID. OR US-6607479-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 13:22
S52	0	2003/0088150 2003/0083554 2002/0165434 2002/0137989 2002/0099268	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S53	1	2003/0083554	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S54	2	"20030083554"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S55	1	2002/0165434	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S56	2	"20020165434"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S57	1	2002/0137989	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S58	2	"20020137989"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S59	2	2002/0099268	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S60	2	"20020099268"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22

## EAST Search History

S61	2	"6159201".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S62	0	2002/161277	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S63	2	"2002161277"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S64	2	"10643299"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:22
S65	3	"10/643299"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:22
S66	66	Haarstad.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:22
S67	49	(US-5868770-\$ or US-6036710-\$ or US-6338712-\$ or US-6428555-\$ or US-6520973-\$ or US-6613058-\$ or US-4854318-\$ or US-4883453-\$ or US-6036641-\$ or US-6231506-\$ or US-5501698-\$ or US-5618306-\$ or US-5697969-\$ or US-5749892-\$ or US-5797946-\$ or US-5807243-\$ or US-5810877-\$ or US-5833698-\$ or US-5868764-\$ or US-5891017-\$ or US-5894843-\$ or US-5925054-\$ or US-5976159-\$ or US-6007576-\$ or US-6017304-\$ or US-6024748-\$).did. or (US-6050266-\$ or US-6095997-\$ or US-6214022-\$ or US-6254615-\$ or US-6287317-\$ or US-6290644-\$ or US-6371910-\$ or US-6395015-\$ or US-6406424-\$ or US-6414018-\$ or US-6447443-\$ or US-6461365-\$ or US-6511416-\$ or US-6511491-\$ or US-6602263-\$ or US-6652454-\$ or US-6656113-\$ or US-6866674-\$ or US-6960219-\$ or US-6036699-\$ or US-6110188-\$ or US-6176864-\$ or US-4840940-\$).did.	USPAT	ADJ	ON	2006/08/21 13:22
S68	11807	(128/897 128/898 128/899 600/16 600/36 600/37 600/201 600/213 600/235 606/7 606/15 606/139 606/191 606/232 606/233 606/234).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:22
S69	2389	S68 (suction or vacuum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 13:22

## EAST Search History

S70	222	("0452131"   "0810675"   "1706500"   "2296793"   "2590527"   "2693795"   "2863444"   "3392722"   "3584822"   "3683926"   "3720433"   "3783873"   "3858926"   "3882855"   "3983863"   "4047532"   "4048987"   "4049000"   "4049002"   "4052980"   "4217890"   "4226228"   "4230119"   "4306561"   "4366819"   "4368736"   "4421107"   "4428368"   "4434791"   "4457300"   "4461284"   "4492229"   "4617916"   "4627421"   "4637377"   "4646747"   "4688570"   "4702230"   "4718418"   "4726356"   "4726358"   "4736749"   "4747395"   "4754746"   "4803984"   "4808163"   "4827926"   "4829985"   "4852552"   "4854318"   "4858552"   "4863133"   "4865019"   "4884559"   "4925443"   "4949707"   "4949927"   "4955896"   "4957477"   "4963857"   "4971037"   "4973300"   "4989587"   "4991578"   "4993862"   "5009660"   "5011469"   "5019086"   "5025779"   "5036868"   "5037428"   "5052373"   "5053041"   "5080088"   "5098369"   "5119804"   "5125395"   "5131905"   "5133724"   "5139517"   "5150706"   "5152777"   "5159921"   "5167223"   "5171254"   "5196003"   "5231974"   "5256132"   "5287861"   "5293863"   "5300087"   "5318013"   "5336252"   "5348259"   "5363882"   "5382756"   "5383840"   "5417709"   "5425705"   "5437651"   "5452733"   "5453078"   "5467763"   "5480425"   "5498256"   "5503617"   "5509890"   "5512037"   "5514075"   "5514076"   "5520610"   "5522819"   "5529571"   "5536251"   "5547458"   "5569274"   "5571074"   "5571215"   "5573496"   "5582580"   "5607421"   "5607446"   "5613937"   "5632746"   "5651378").PN. OR ("5662300"   "5667480"   "5713951"   "5727569"   "5728151"   "5730757"   "5735290"   "5749892"   "5755660"   "5766151"   "5772583"   "5782746"   "5795291"   "5797960"   "5799661"   "5807243"   "5813410"   "5836311"   "5846187"   "5846193"   "5846194"   "5865730"   "5868770"   "5875782"   "5876332"   "5879291"   "5882299"   "5885271"   "5888247"   "5891017"   "5894843"   "5899425"   "5906607"   "5908382"   "5913876"   "5927284"   "5944658"   "5944736"   "5947125"   "5947896"   "5957835"   "5961481"   "5967972"   "5967973"   "5976080"   "5976171"   "5984864"   "5984865"   "5984867"   "6007486"   "6007523"   "6010531"   "6013027"   "6015378"   "6015427"   "6017304"   "6019722"   "6027476"   "6029671"   "6030340"   "6032672"   "6033362"   "6036641"   "6050266"   "6063021"   "6071295"   "6099468"   "6102853"   "6102854"   "6139492"   "6149583"   "6152874"   "6167889"   "6183486"   "6190311"   "6193652"   "6193732"   "6200263"   "6210323"   "6213940"   "6213941"   "6231506"   "D293470"   "D421803"   "RE34150").PN. OR ("6511416").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 13:22
S71	11807	(128/897 128/898 128/899 600/16 600/36 600/37 600/201 600/213 600/235 606/7 606/15 606/139 606/191 606/232 606/233 606/234).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:22
S72	1135	S71 (suction or vacuum) heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 13:22
S73	34	("452131"   "3783873"   "4049002"   "4306561"   "4688570"   "4726356"   "4925443"   "4955896"   "4973300"   "5098369"   "5119804"   "5131905"   "5300087"   "5336252"   "5374277"   "5383840"   "5417709"   "5452733"   "3858926"   "4366819"   "4368736"   "4646747"   "4718418"   "4808163"   "4854318"   "4865019"   "4989587"   "5011469"   "5053041"   "5167223"   "5287861"   "5365921").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/21 13:22
S74	35	("5372124"   "5425705"   "5437651"   "5807243"   "5108412"   "5749892"   "4718418"   "5607421"   "4991578"   "5009660"   "4962758"   "5545123"   "5836311"   "6015378"   "4904012"   "3786815"   "4711247"   "3951138"   "6110187"   "5894843"   "6063021"   "4767142"   "5207467"   "5727569"   "5927284"   "6019722"   "5782746"   "4096864"   "5556147"   "5667624"   "4892343"   "5290082"   "5702420"   "5133737"   "3916909").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/21 13:22
S75	131	("2027543"   "2305289"   "2528278"   "2966694"   "3520300"   "4193156"   "4533352"   "5014389"   "5034006").PN. OR ("5437651").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 13:22

# EAST Search History

S76	146	("0452131"   "20010041827"   "20020099268"   "20020137989"   "20020165434"   "20030083554"   "20030088150"   "20030125604"   "2590527"   "3577982"   "3720433"   "3783873"   "3786815"   "3858926"   "3916909"   "3951138"   "3983863"   "3999795"   "4047532"   "4049000"   "4049002"   "4096864"   "4306561"   "4314568"   "4350160"   "4366819"   "4368736"   "4428368"   "4447227"   "4463980"   "4627421"   "4637377"   "4646747"   "4688570"   "4711247"   "4718418"   "4726356"   "4736749"   "4767142"   "4808163"   "4852552"   "4854318"   "4865019"   "4892343"   "4904012"   "4925443"   "4955896"   "4962758"   "4973300"   "4989587"   "4991578"   "5009660"   "5011469"   "5053041"   "5098369"   "5108412"   "5119804"   "5131905"   "5133737"   "5167223"   "5171254"   "5207467"   "5287861"   "5290082"   "5300087"   "5324087"   "5336252"   "5365921"   "5372124"   "5374277"   "5383840"   "5417709"   "5425705"   "5437651"   "5452733"   "5472438"   "5503617"   "5509890"   "5545123"   "5556147"   "5607421"   "5613937"   "5667624"   "5702420"   "5727569"   "5730757"   "5749892"   "5772583"   "5782746"   "5799661"   "5807243"   "5827216"   "5836311"   "5865730"   "5875782"   "5876332"   "5885271"   "5888247"   "5891017"   "5894843"   "5906607"   "5927284"   "5947896"   "5957835"   "5967972"   "5976080"   "5976171"   "5984864"   "6007486"   "6015378"   "6017304"   "6019722"   "6030340"   "6032672"   "6033362"   "6036641"   "6050266"   "6063021"   "6071235"   "6071295"   "6102854"   "6110187").PN. OR ("6113534"   "6139492"   "6152874"   "6210323"   "6213941"   "6238334"   "6251065"   "6258023"   "6371910"   "6394951"   "6478728"   "6488618"   "6503245"   "6506149"   "6511416"   "6551242"   "6558314"   "6585643"   "6589166"   "6602183"   "6602189"   "6607479").PN. OR ("6676597").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 13:22
S77	5	2001/0041827	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S78	3	"20010041827"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S79	3	(2003/0125604 or "20030125604")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S80	1	2003/0125604	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S81	2	"20030125604"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S82	1	2003/0088150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S83	2	"20030088150"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 13:22
S84	316146	(S47 S48 "s3" "s4" S49 S50 S51 "s8" "s9" "s10" "s11" "s12" S52 "s14" "s15" S53 S54 S55 S56 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 13:24
S85	4545	S84 AND (vacuum or suction) AND (shaft or rod) AND (handle or holder) AND (bend or position or bendable or flex)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 13:26

## EAST Search History

S86	2897	S84 AND (vacuum or suction) AND (shaft or rod) AND (handle) AND (bend or position or bendable or flex)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 13:26
S87	2331	S84 AND (vacuum or suction) AND (shaft) AND (handle) AND (bend or position or bendable or flex)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 13:26
S88	494	S84 AND (vacuum or suction) AND (shaft) AND (handle) AND (bend or position or bendable or flex) AND (heart or organ)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 13:26
S89	23	("20020045795"   "4832048"   "5254600"   "5387234"   "5423878"   "5451223"   "5553612"   "5571088"   "5575772"   "5651378"   "5803911"   "5836311"   "5891028"   "5904711"   "5913876"   "5927284"   "6004269"   "6006138"   "6015378"   "6063081"   "6064901"   "6238334"   "6254525").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 15:02
S90	2	"10643299"	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 15:04
S91	3	"10/643299"	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 15:03
S92	40	(US-20030083554-\$ or US-20030078471-\$ or US-20020022870-\$).did. or (US-6511416-\$ or US-6740029-\$ or US-6676597-\$ or US-6032672-\$ or US-6019722-\$ or US-5984864-\$ or US-5713951-\$ or US-5667480-\$ or US-5582580-\$ or US-5571074-\$ or US-5336252-\$ or US-5256132-\$ or US-5196003-\$ or US-5019086-\$ or US-4461284-\$ or US-4457300-\$ or US-6338712-\$ or US-5437651-\$ or US-6740028-\$ or US-6685632-\$ or US-6506149-\$ or US-6478728-\$ or US-6007486-\$ or US-5865730-\$ or US-4904012-\$ or US-4047532-\$).did. or (US-6607479-\$ or US-6558314-\$ or US-6447443-\$ or US-6254525-\$ or US-6238334-\$ or US-5913876-\$ or US-6394951-\$ or US-6210323-\$ or US-6174307-\$ or US-6027497-\$ or US-5797960-\$).did.	US-PGPUB; USPAT	ADJ	ON	2006/08/21 15:22
S93	4	S92 AND ((remote or remotely or computer or robot or robotic\$4) SAME (position))	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/21 15:27
S94	1	"6517563".pn.	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/21 15:28
S95	2	"6517563".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 17:57
S96	4	PCT/CA99/00757	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 15:34
S97	0	"1997WO-CA00757.ap,prai"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 15:35
S98	1	1997WO-CA00757.ap,pral.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 15:35
S99	1634	heart AND (vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) AND (remote or remotely or computer or robot or robotic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 17:59

## EAST Search History

S10 0	586	heart AND (vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) SAME (remote or remotely or computer or robot or robotic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:00
S10 1	316	heart AND (vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) SAME (end or head or portion) SAME (remote or remotely or computer or robot or robotic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:08
S10 2	87	heart AND (vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) SAME (end or head or portion) SAME (remote or remotely or computer or robot or robotic\$4) SAME (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:15
S10 3	14	("4048990"   "4633865"   "5345935"   "5727569"   "5782746"   "5885271"   "6019722"   "6032672"   "6090041"   "6193652"   "6336898"   "6338710"   "6338712"   "6517563").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/21 18:11
S10 4	2042	(vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) SAME (end or head or portion) SAME (remote or remotely or computer or robot or robotic\$4) SAME (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:15
S10 5	1191	(vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) WITH (end or head or portion) SAME (remote or remotely or computer or robot or robotic\$4) SAME (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:15
S10 6	415	(vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) WITH (end or head or portion) WITH (remote or remotely or computer or robot or robotic\$4) SAME (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:16
S10 7	196	(vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) WITH (end or head or portion) WITH (remote or remotely or computer or robot or robotic\$4) WITH (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:19
S10 8	0	(vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) WITH (deflection) WITH (remote or remotely or computer or robot or robotic\$4) WITH (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:19
S10 9	1	(vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) AND (deflection) WITH (remote or remotely or computer or robot or robotic\$4) WITH (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:19
S11 0	39	(vacuum or suction) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position) SAME (deflection) SAME (remote or remotely or computer or robot or robotic\$4) SAME (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:22
S11 1	796	(vacuum or suction) AND (organ or tissue or heart) AND (shaft or rod or catheter) AND (handle) AND (manipulate or position or bend) WITH (remote or remotely or computer or robot or robotic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:23
S11 2	205	(vacuum or suction) AND (organ or tissue or heart) AND (shaft or rod or catheter) WITH (handle) AND (manipulate or position or bend) WITH (remote or remotely or computer or robot or robotic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:23
S11 3	288	(vacuum or suction) AND (organ or tissue or heart) AND (shaft or rod or catheter) SAME (handle) AND (manipulate or position or bend) WITH (remote or remotely or computer or robot or robotic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:23

## EAST Search History

S11 4	108	(vacuum or suction) AND (organ or tissue or heart) AND (shaft or rod or catheter) SAME (handle) AND (manipulate or position or bend) WITH (remote or remotely or computer or robot or robotic\$4) WITH (end or tip or portion or part or head)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/21 18:29
S11 5	108	(vacuum or suction) AND (organ or tissue or heart) AND (shaft or rod or catheter) SAME (handle) AND (manipulate or position or bend) WITH (remote or remotely or computer or robot or robotic\$4) WITH (end or tip or portion or part or head)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 18:35
S11 6	266	(organ or tissue or heart or patient or surgery) AND (shaft or rod or catheter) SAME (handle) AND (manipulate or position or bend) WITH (remotely or computer or robot or robotically) WITH (end or tip or portion or part or head)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/08/21 18:36
S11 7	3	("2001/0023311").URPN.	USPAT	ADJ	ON	2006/08/21 19:39
S11 8	1995	(600/201 600/205 600/210 600/217 600/219 600/227 600/228 600/229 600/231 600/232 600/233 600/235 600/37).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/21 19:40
S11 9	122	S118 AND (vacuum or suction) AND (remotely or computer or robotic or robotically or robot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/22 12:08
S12 0	2	09/411442	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/22 12:11
S12 1	2	"09411442"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/22 13:10
S12 2	2	"5657429".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/22 13:10
S12 3	0	("6936001").URPN.	USPAT	ADJ	ON	2006/08/22 13:57
S12 4	5	("5865730"   "5894843"   "5927284"   "6063021"   "6248062").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/22 13:58
S12 5	69	(US-20030083554-\$ or US-20030078471-\$ or US-20020022870-\$ or US-20060184048-\$ or US-20050107667-\$ or US-20010023311-\$ or US-20020091300-\$).did. or (US-6511416-\$ or US-6740029-\$ or US-6676597-\$ or US-6032672-\$ or US-6019722-\$ or US-5984864-\$ or US-5713951-\$ or US-5667480-\$ or US-5582580-\$ or US-5571074-\$ or US-5336252-\$ or US-5256132-\$ or US-5196003-\$ or US-5019086-\$ or US-4461284-\$ or US-4457300-\$ or US-6338712-\$ or US-5437651-\$ or US-6740028-\$ or US-6685632-\$ or US-6506149-\$ or US-6478728-\$ or US-6007486-\$ or US-5865730-\$ or US-4904012-\$ or US-4047532-\$).did. or (US-6607479-\$ or US-6558314-\$ or US-6447443-\$ or US-6254525-\$ or US-6238334-\$ or US-5913876-\$ or US-6394951-\$ or US-6210323-\$ or US-6174307-\$ or US-6027497-\$ or US-5797960-\$ or US-6517563-\$ or US-6875171-\$ or US-6338710-\$ or US-6193652-\$ or US-5885271-\$ or US-5882206-\$ or US-5704791-\$ or US-5791908-\$ or US-5800177-\$ or US-5800178-\$ or US-5800342-\$ or US-5431645-\$ or US-5490819-\$ or US-5748767-\$ or US-6325808-\$ or US-6663641-\$).did. or (US-6963792-\$ or US-6383134-\$ or US-6398726-\$ or US-6394948-\$ or US-6936001-\$ or US-5657429-\$ or US-6248062-\$ or US-6063021-\$).did. or (US-5553198-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2006/08/22 14:00
S12 6	36	S125 AND heart SAME (turn or rotate or move)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/22 14:01
S12 7	30	S125 AND heart WITH (turn or rotate or move)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/22 14:02

## EAST Search History

S12 8	1	"5799661".pn.	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/22 17:00
S12 9	1	"6174307".pn.	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/22 17:00
S13 0	30	("4072147"   "4658817"   "4669467"   "4706656"   "4718417"   "4913142"   "4967745"   "4976710"   "5041108"   "5125926"   "5127393"   "5217454"   "5249574"   "5298026"   "5380316"   "5386817"   "5389096"   "5425355"   "5431628"   "5452733"   "5470320"   "5549601"   "5562603"   "5573531"   "5607421"   "5645519"   "5713894"   "5832929"   "5876329"   "6019756").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/22 18:34
S13 1	10	S125 AND (push or pull) WITH wire	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/22 18:34
S13 2	1	"6019722".pn.	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/22 19:31
S13 3	419	(heart) SAME (vacuum or suction) SAME (leg or arm or branch)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/22 20:10
S13 4	191	(heart) SAME (vacuum or suction) WITH (leg or arm or branch)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2006/08/22 20:14
S13 5	1	WO-0010466-\$.did. or WO-200010466-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/22 20:16
S13 6	3	"200010466"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/22 20:17
S13 7	74	(US-20030083554-\$ or US-20030078471-\$ or US-20020022870-\$ or US-20010023311-\$ or US-20060184048-\$ or US-20050107667-\$ or US-20020091300-\$.did. or (US-5797960-\$ or US-6338712-\$ or US-4047532-\$ or US-5799661-\$ or US-6506149-\$ or US-5865730-\$ or US-5984864-\$ or US-6007486-\$ or US-6032672-\$ or US-6063021-\$ or US-4904012-\$ or US-4457300-\$ or US-5571074-\$ or US-6478728-\$ or US-5913876-\$ or US-5336252-\$ or US-6607479-\$ or US-6740028-\$ or US-6394948-\$ or US-6740029-\$ or US-6511416-\$ or US-6558314-\$ or US-6676597-\$ or US-5582580-\$ or US-5196003-\$ or US-6447443-\$.did. or (US-5019086-\$ or US-5885271-\$ or US-6019722-\$ or US-6338710-\$ or US-5667480-\$ or US-6193652-\$ or US-4461284-\$ or US-5452733-\$ or US-6210323-\$ or US-6936001-\$ or US-6174307-\$ or US-6398726-\$ or US-5713951-\$ or US-6027497-\$ or US-6254525-\$ or US-6517563-\$ or US-6875171-\$ or US-5800178-\$ or US-5800177-\$ or US-6685632-\$ or US-5882206-\$ or US-5791908-\$ or US-5704791-\$ or US-5800342-\$ or US-5431645-\$ or US-5437651-\$ or US-6963792-\$.did. or (US-5256132-\$ or US-6663641-\$ or US-6238334-\$ or US-6325808-\$ or US-6394951-\$ or US-5490819-\$ or US-5748767-\$ or US-6383134-\$ or US-6248062-\$ or US-5470320-\$ or US-5657429-\$ or US-5217454-\$.did. or (WO-200010466-\$ or US-5553198-\$.did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2006/08/25 14:48
S13 8	7	S137 AND (spring WITH (retract or return))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 14:34
S13 9	2	heart WITH (suction or vacuum) AND (spring WITH (retract or return) WITH (axial or axially))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 14:35

## EAST Search History

S14 0	2	(heart WITH (suction or vacuum)) AND (spring WITH (retract or return) WITH (axial or axially))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 14:35
S14 1	4	(heart SAME(suction or vacuum)) AND (spring WITH (retract or return) WITH (axial or axially))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 15:08
S14 2	164	(heart SAME(suction or vacuum)) AND (spring WITH (retract or return))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 14:47
S14 3	74	S137	US-PGPUB; USPAT; DERWENT	ADJ	ON	2006/08/25 14:48
S14 4	44	S137 AND spring	US-PGPUB; USPAT; DERWENT	ADJ	ON	2006/08/25 14:48
S14 5	6	("2510198"   "4239036"   "4688554"   "5448989"   "5522788").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/25 14:57
S14 6	34	(heart SAME(suction or vacuum)) AND (spring SAME deflection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 15:28
S14 7	100	(incision SAME heart) AND (spring SAME deflection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 15:35
S14 8	100	(incision SAME heart) AND (spring SAME deflection) AND spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/08/25 16:11
S14 9	12005	(606/32 606/41 606/129 606/167 606/185 606/2 606/7 606/13 606/14 606/15 606/16 600/114 600/103 600/127 600/125 600/121 600/129 600/153 600/160 604/264 604/164 604/272 604/280).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/25 16:14
S15 0	1603	(600/37 600/201 600/204 600/215 600/216 600/219 600/210 600/235).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/25 16:14
S15 1	1603	S150 or S150	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/25 16:15
S15 2	76	S151 AND (heart or organ) AND (vacuum or suction) AND (deflect or bend or orient or position) AND (handle) AND (remote or robot or robotic or robotically or remotely or computer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/25 16:16